

ABSTRACT OF THE DISCLOSURE

Disclosed is a thin film transistor substrate for a liquid crystal display and a method for repairing the substrate. The substrate comprises an insulating substrate; a black matrix formed on the insulating substrate having apertures in areas of pixels, shaped as a net; an insulating layer covering the black matrix; gate wiring formed on the insulating layer, the gate wiring including gate lines extended in a first direction across the substrate and gate electrodes connected to the gate lines; a gate insulating layer formed over the gate wiring; a semiconductor layer formed over the gate insulating layer; an ohmic contact layer formed over the semiconductor layer; data wiring including source electrodes and drain electrodes formed separated from each other over the ohmic contact layer, and data lines connected to the source electrodes and crossing the gate lines to define pixels; a protection layer formed over the data wiring; and pixel electrodes electrically connected to the drain electrodes. The method comprises the step of shorting the disconnected gate line and the first portion of the black matrix or the disconnected data line and the second portion of the black matrix.